Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/19/2017 12:17 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124020	-1	1.63	123908	1.61
Blue	F	SSC	125000	124761	-1	2.93	125184	2.80
Blue	E	FITC	23355	22599	-4	2.53	1005	10.41
Blue	D	PE	28848	28494	-2	2.04	1023	9.83
Blue	B	PerCP-Cy5-5	47791	47158	-2	3.42	1352	17.07
Blue	A	PE-Cy7	41358	41221	-1	5.00	640	35.45
Red	C	APC	51316	50877	-1	2.85	2947	9.39
Red	A	APC-Cy7	53225	52375	-2	3.01	1084	11.48
Violet	B	V450	14473	13814	-5	3.62	665	9.06
Violet	A	V500	59973	59019	-2	3.35	2615	6.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19626	3.32	607	9	N/A	N/A	Pass
Blue	F	SSC	61899	1.83	541	7	N/A	N/A	Pass
Blue	E	FITC	114	39.65	542	-2	0.0204	200	Pass
Blue	D	PE	226	28.78	538	0	0.1585	234	Pass
Blue	B	PerCP-Cy5-5	212	45.08	628	-2	0.0099	86	Pass
Blue	A	PE-Cy7	71	118.06	681	0	0.0119	18	Pass
Red	C	APC	344	27.14	592	-2	0.0207	52	Pass
Red	A	APC-Cy7	120	41.74	572	-4	0.0053	1809	Pass
Violet	B	V450	81	42.36	472	1	0.0420	1753	Pass
Violet	A	V500	190	22.56	504	3	0.0136	263	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.00	-31.42	0.83
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.74	13.27 - 19.91	N/A	N/A	31.51	31.94	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13742

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments